

FIG. 1

201000180628001



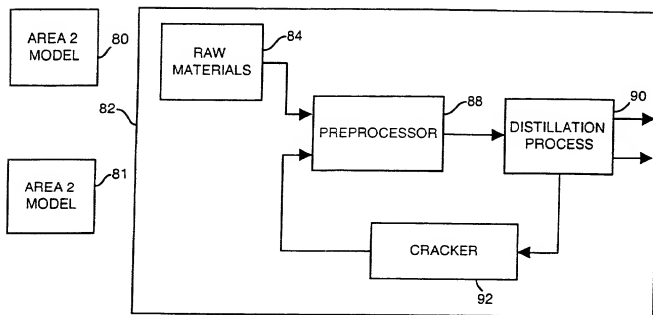


FIG. 3

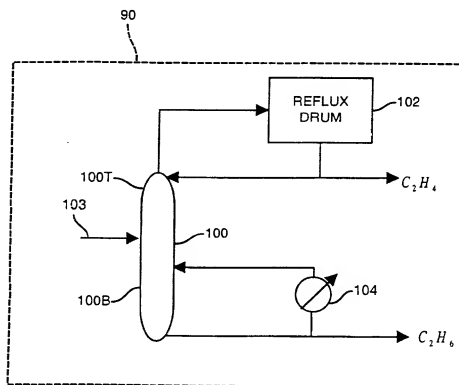


FIG. 4

201007308.030102

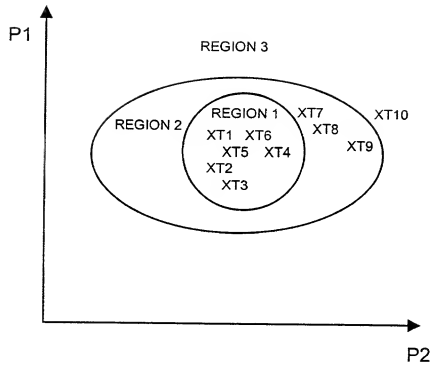


FIG. 5

201000180678001

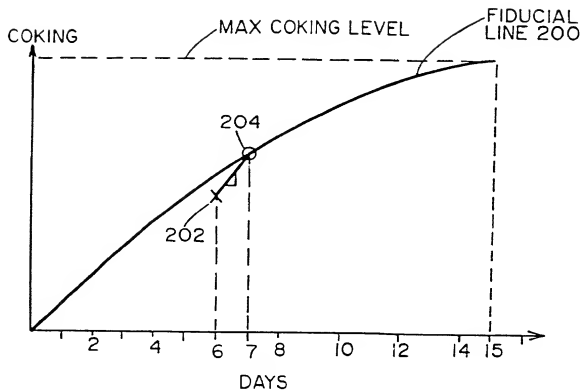


FIG. 6

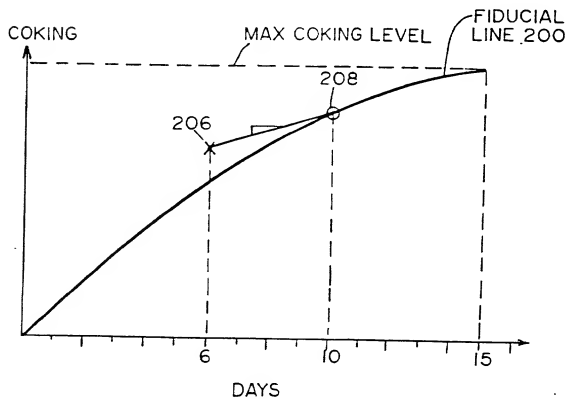
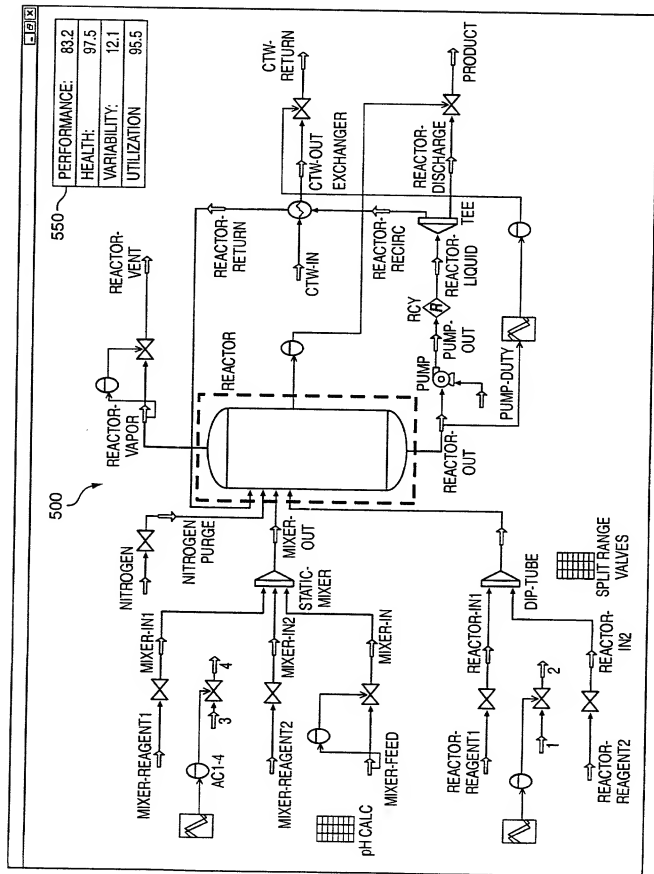


FIG. 7

10087308.030102

FIG. 8



	PI	VI	HI	UI
Unit	x		x	x
Sub Unit	x		x	x
Loop		x	x	x
Device		x	x	

FIG. 9

20100808030102

PERFORMANCE FOR FCCU: 83.2

575 {	Loop Name	Index	Weight
	FIC-101	88	3
	TIC-111	89	3
	LIC-111	88	3
	FIC-111	60	3
	FIC-112	80	1
	TCI-222	87	1
	FIC-101	88	3
	TIC-111	89	3
	LIC-111	88	3
	FIC-111	60	3
	FIC-112	80	1
	TIC-222	87	1
	PIC-111	87	1

FIG. 10

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FCCU Health: 97.5

Device Name	Index	Description	Weight
FV-111	100	Leaking	3
TI-111	98	Sticktion	3
LI-111	90	40	3
MC-101	95	Will burn up in 2 weeks	3
FV-111	96	0	1

FIG. 11

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FCCU Variability: 12.1

Device Name	Index	Weight
FV-101	0	3
TI-111	2	3
LI-111	40	3
FV-111	0	3
FV-112	0	1
TI-222	2	1
FI-101	7	3
TI-111	6	3
LI-111	7	3
FI-111	7	3
FI-112	7	1
TI-222	7	1
Sub unit: Reboiler RB101	15	2

FIG. 12

201009.80678007

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Alarms

Process

Impulse Line

Plugged Impulse Line Detection

Time Stamp

12:72:12

Status

☐ OK

☐ Inactive

☐ Learning

☐ Verifying

☒ Insufficient Dynamics

☐ Bad PV Status

☐ Not Licenced

☐ All Lines Plugged

Plugged Impulse Line History

Time Stamp

16:72:12

Status

☒ All Lines Plugged

☐ No History

FIG. 13

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Inventor(s): Eryurek, et al.
Figure No(s).: 14
Sheet No.: 12 of 29

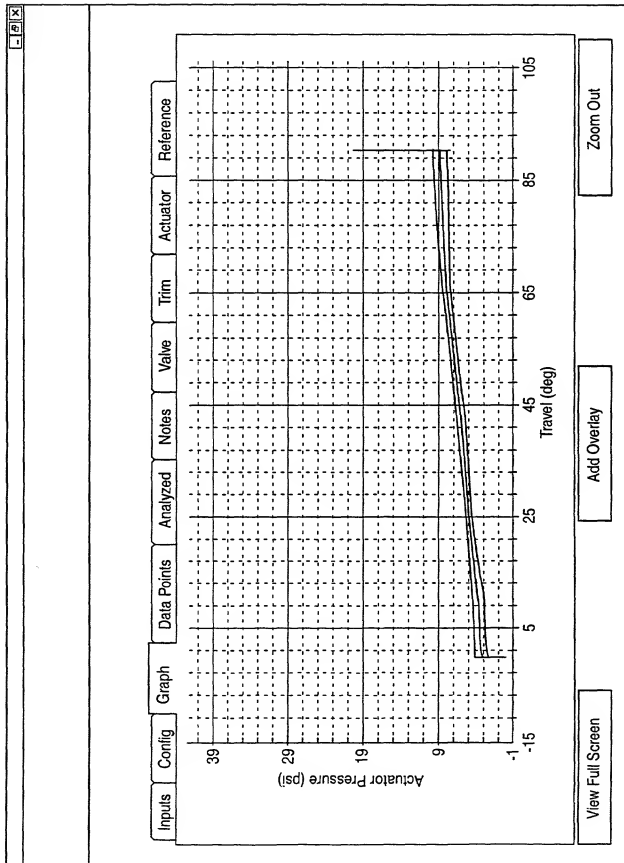


FIG. 14

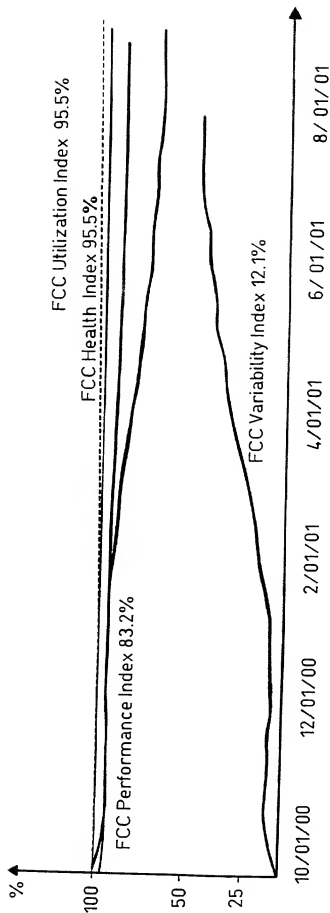


FIG. 15

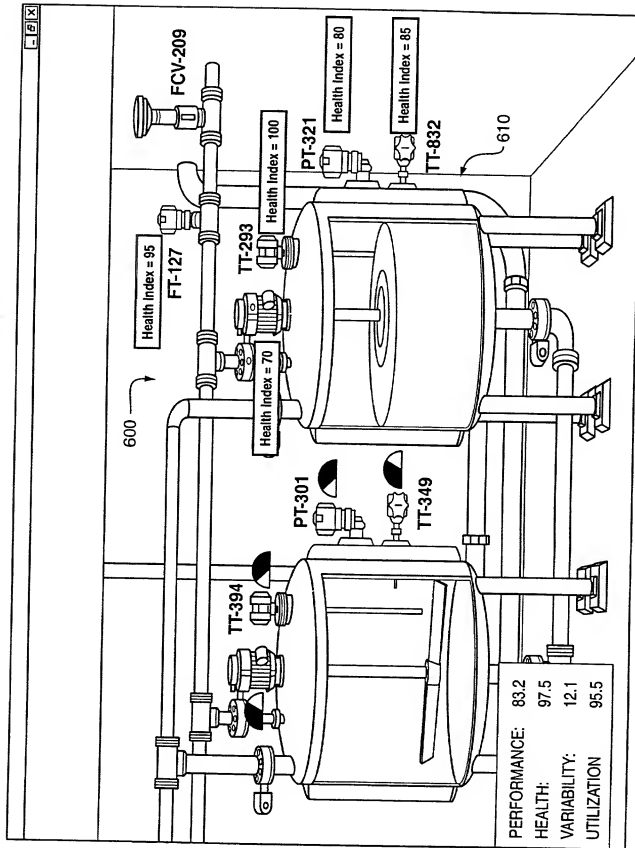


FIG. 16

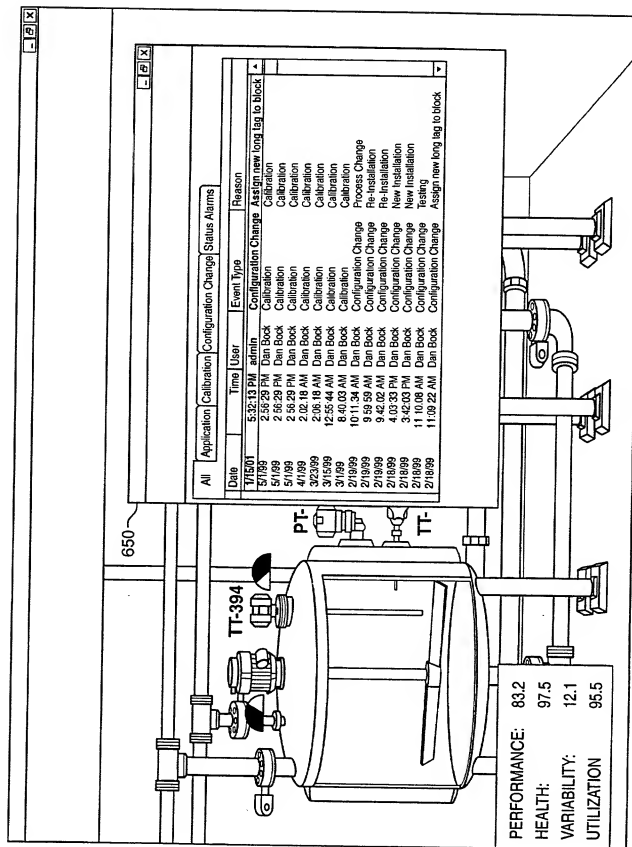


FIG. 17

2010E0180E/800T

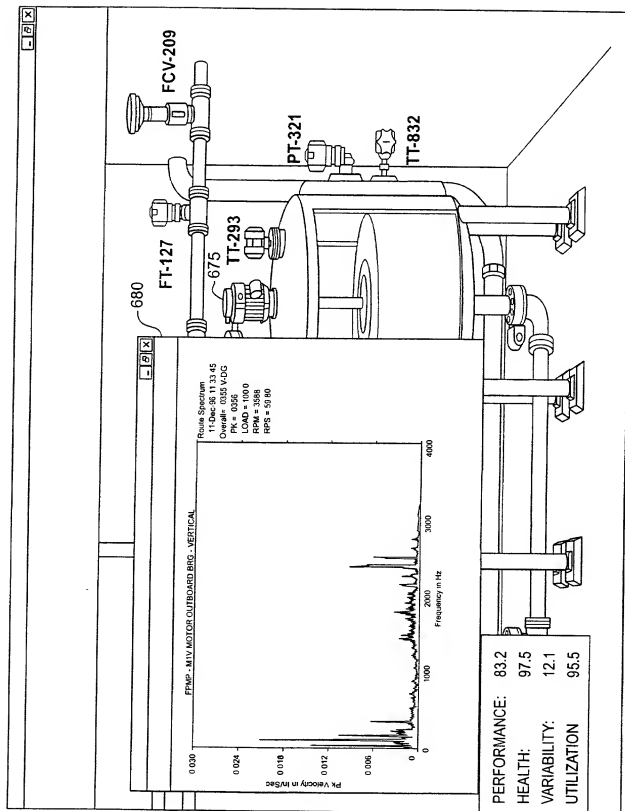


FIG. 18

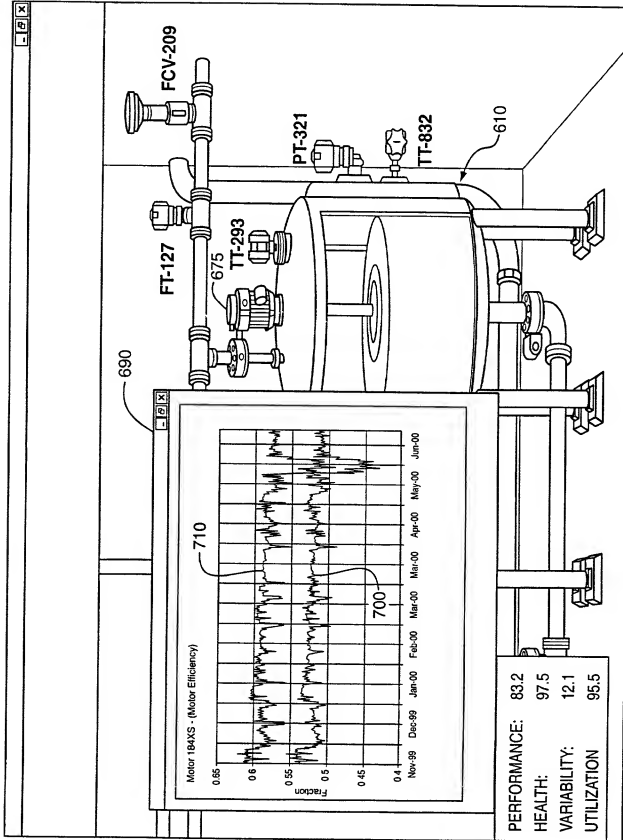


FIG. 19



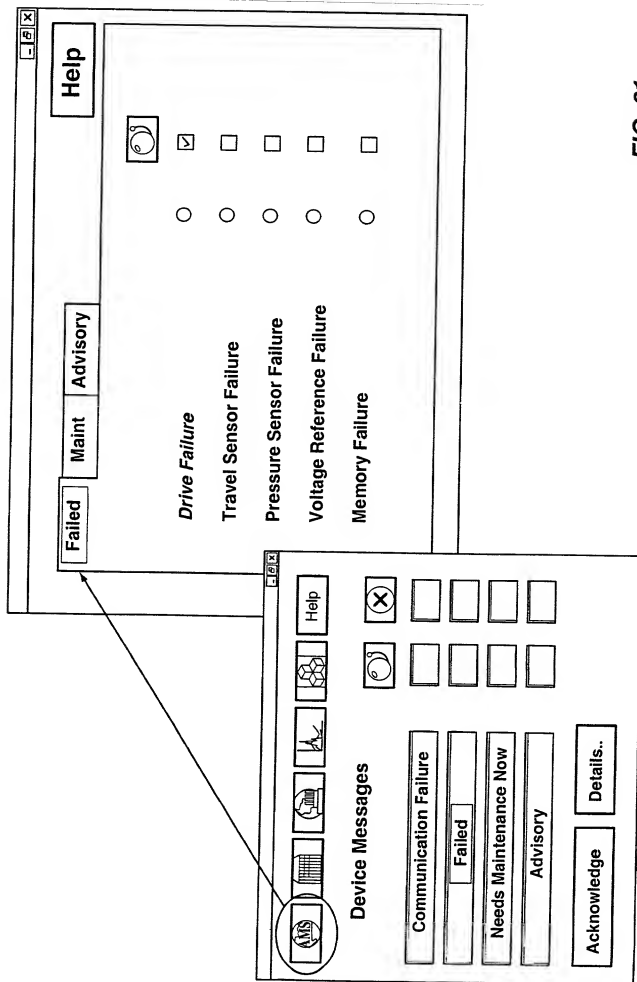


FIG. 21

20100201-806/8001

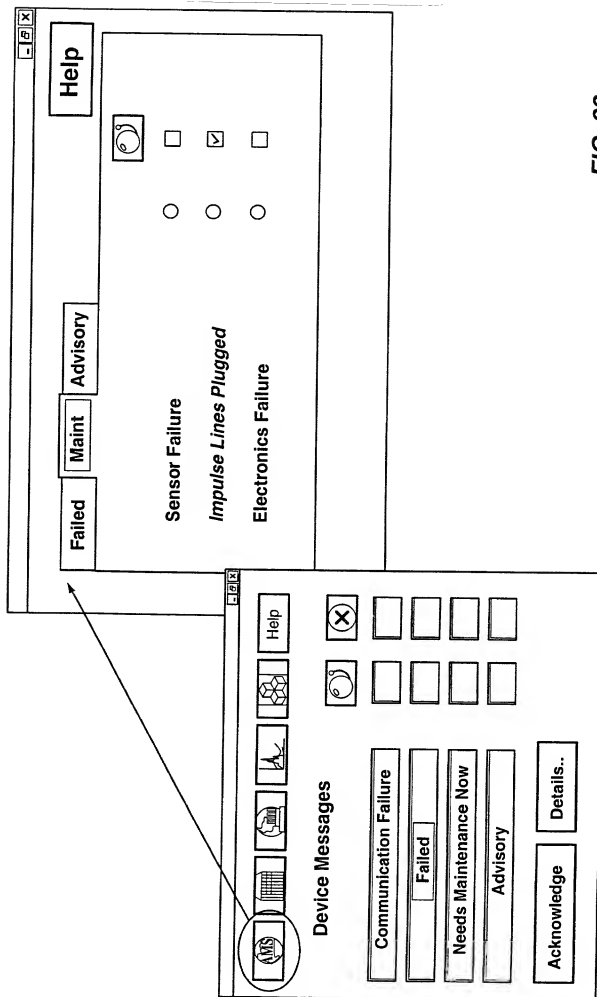


FIG. 22



FIG. 24

Electrode Signal Fault Detected

The flow signal has been compromised. The process variable is likely reading less than expected.

1. Remove any moisture or contamination in the flowtube terminal block or, if applicable, the sealed electrode compartments.

WARNING! The electrode compartment may contain line pressure. Removing the cover before depressurizing may result in death or serious injury.

2. Perform flowtube electrical resistance tests. Confirm the resistance reading between coil ground (ground symbol) and coil (1 or 2) is infinity. Confirm the resistance reading between electrode ground (17) and an electrode (18 or 19) is greater than 2 kohms and rises. For more detailed information, consult the flowtube product manual.
3. Verify flowtube is electrically connected to the process with grounding electrode, grounding rings with grounding straps, or lining protector with grounding straps.
4. Verify transmitter electronics with Model 8714 reference standard. The dial on the 8714 should be set at 9.1 m/s (30 ft/sec). The transmitter should be set up with the nominal flowtube calibration number (1000015010000000) and 5 Hz coil drive frequency.
5. Properly connect the wiring between the flowtube and the transmitter on the flowtube. Corresponding terminal block numbers in the flowtube and transmitter must be connected.

To turn off electrode signal fault detection, go to the diagnostic screen in the transducer block properties.

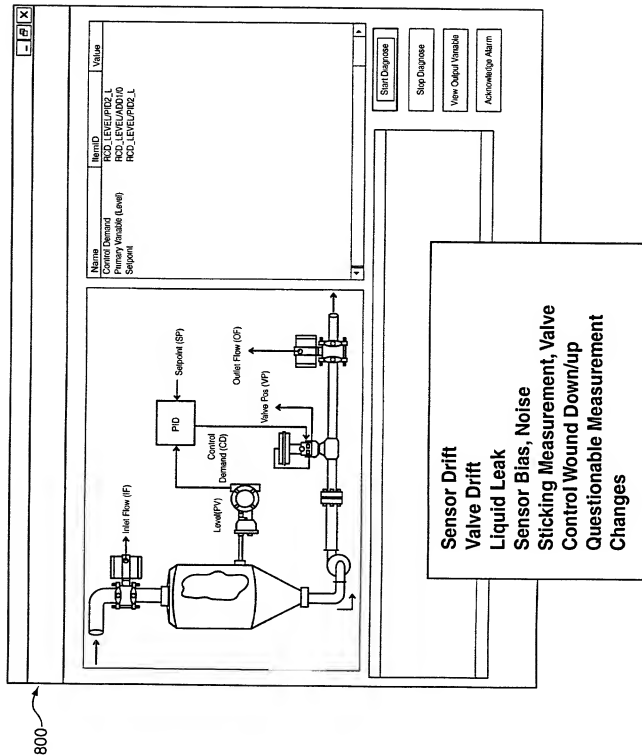


FIG. 25

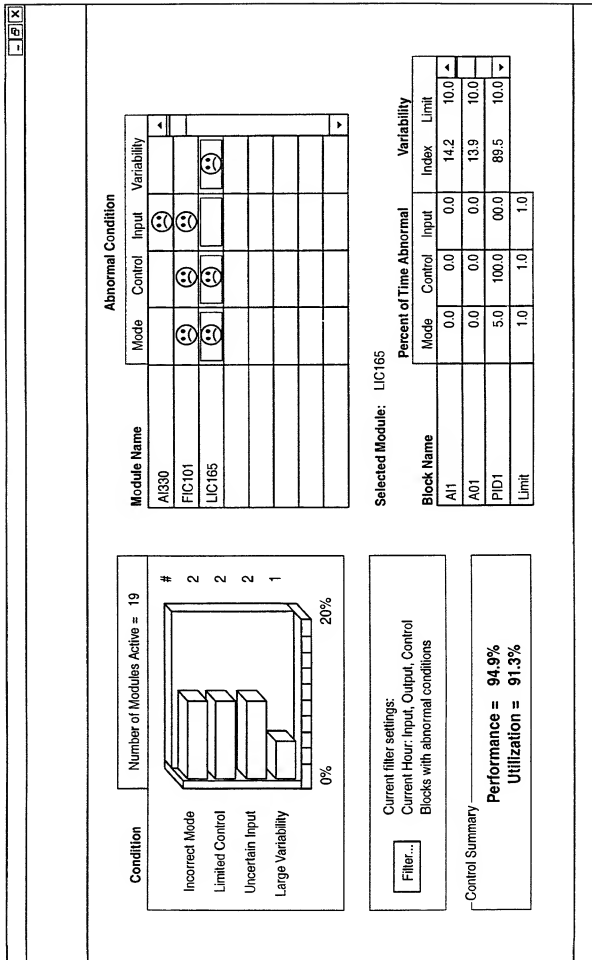


FIG. 26

20102018062800T

		Work Order		Plans	Actuals	Costs	WO Hierarchy	Safety Plan	Failure Reporting	Linked Documents	
Modules Work Orders PMs Inventory Equipment Purchasing Plans Labor Calendars Resources Custom Apps Setup Utilities	Work Order	1194	SENSOR MEASUREMENT								
	Location	BD CUBE	AMS Business Development Cubicle								
	Equipment	TI-111	Rosemont 3044C in BD Cube								
	Reported By	MAXIMO		Reported By	8/18/00 1						
	Status	WSCH		Status Date	8/18/00 1						
	GL Account			Charge to Store?	N						
	Job Details	Problem		Follow-up Work							
	Job Plan			Failure Class							
	Safety Plan			Problem Code							
	Service Contract			PM	AMS/0130						
Scheduling Information		Responsibility									
Start		Completion									
Target		8/18/00 11:42AM									
Scheduled											
Actual											
Estimated Duration		0.00									
Remaining Duration											
Crew											
Interruption?											
Supervisor											
Labor Group											
Lead Craft/Person											
Modified											
By		Maximo									
Date		8/18/00 1									

FIG. 27

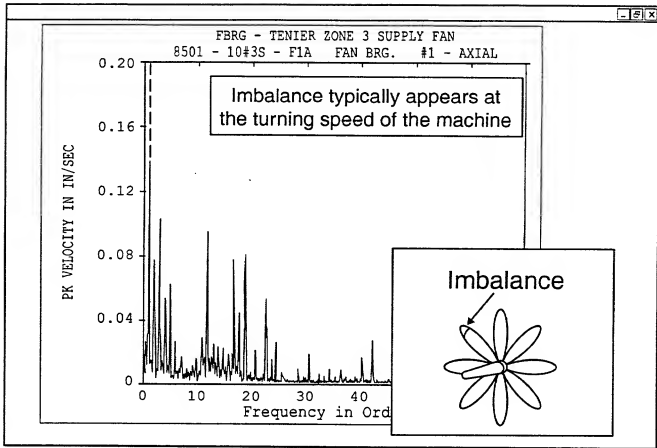


FIG. 28

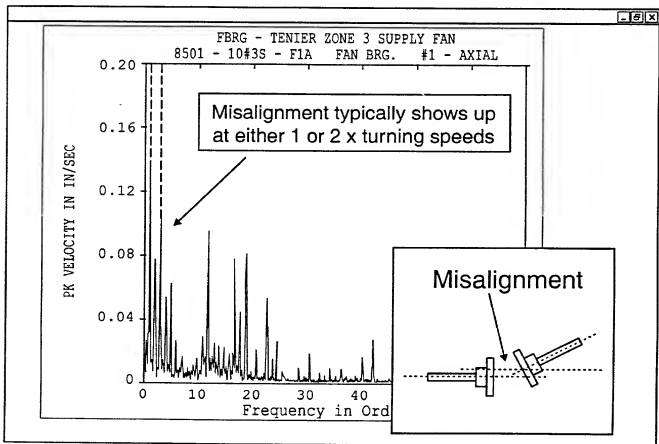
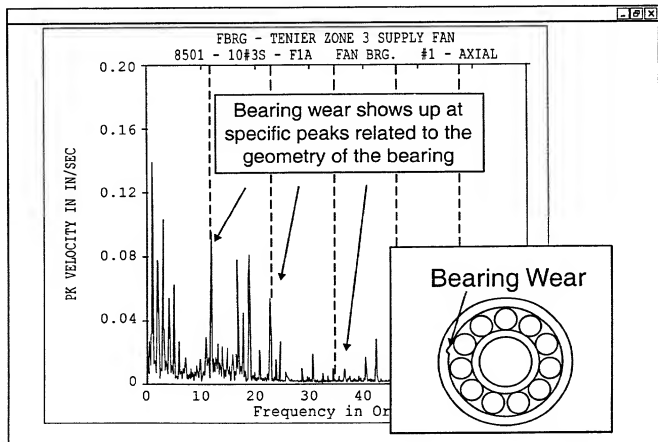
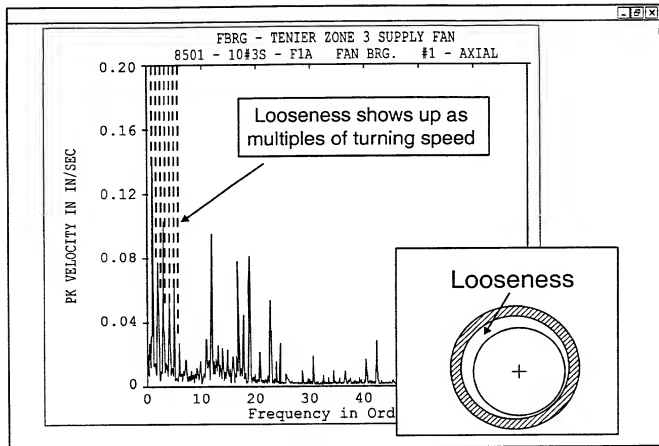


FIG. 29



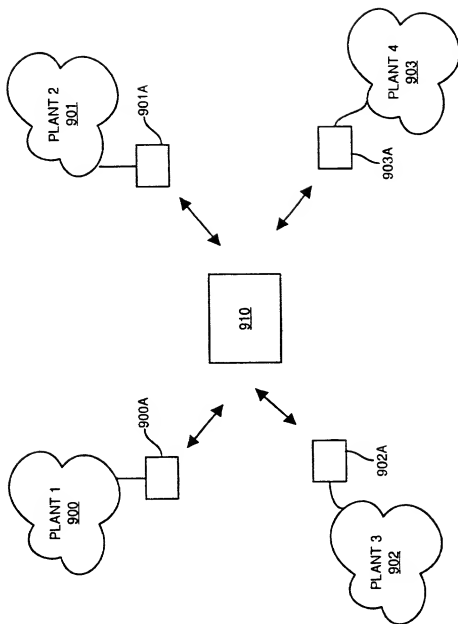


FIG. 32

2010E0180E/800F

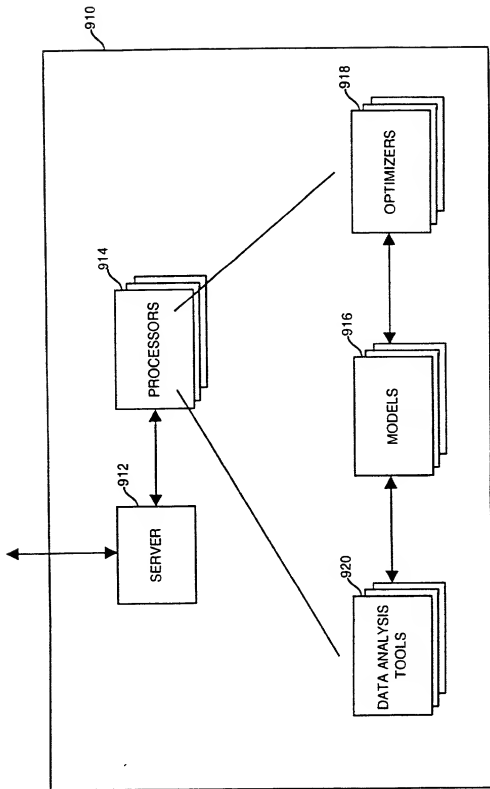


FIG. 33

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